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Commissioner
For Patents
Washington, D.C. 20231

UTILITY PATENT APPLICATION TRANSMITTAL LETTER

Transmitted herewith for filing in the patent application of:

John R. GRABER

For: MULTI-STAGE HELICAL SCREW ROTOR

Enclosed are:

- [XX] 22 pages of specification: 13 pages description; 8 pages claims; 1 page abstract.
- [XX] 12 sheets of drawing(s) including FIGURES 1-3.
- [XX] A Declaration for Patent Application.
- [XX] An Assignment of the invention to LEYBOLD SEMICONDUCTOR VACUUM SOLUTIONS.
- [] A Request & Certification Under 35 U.S.C. 122(b) (2) (B) (i).
- [XX] Utility Patent Application Initial Information Data Sheet.
- [XX] A Form PTO-1449 and 14 references.

CLAIMS AS FILED

FOR	NO. FILED	NO. EXTRA	RATE	FEE
INDEPENDENT CLAIMS	47 - 20 =	27	[XX] \$18 LARGE [] \$ 9 SMALL	\$ 486.00
PENDING CLAIMS	5 - 3 =	2	[XX] \$84 LARGE [] \$42 SMALL	\$ 168.00
C FEE		[XX] LARGE ENTITY \$740 [] SMALL ENTITY \$370		
TOTAL FILING FEE				\$ 1,394.00

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30 Oct 2001
Date

Thomas E. Kocovsky, Jr.
Attorney of Record

Thomas E. Kocovsky, Jr.
Reg. No. 28,383
FAY, SHARPE, FAGAN,
MINNICH & MCKEE, LLP
1100 Superior Avenue, Seventh Floor
Cleveland, Ohio 44114-2518
(216) 861-5582

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